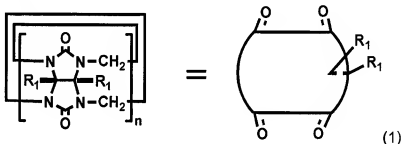


**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

What is claimed is:

1. (Original) A polymer in which a particle-type polymer with a reactive end-substituted group is linked to a cucurbituril derivative of Formula 1 below by a covalent bond:



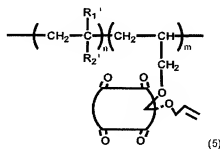
wherein  $n$  is an integer of 4 to 20, and each  $R_1$  is independently a substituted or unsubstituted alkenyloxy group of  $C_2-C_{20}$  with an unsaturated bond end, a carboxyalkylsulfanyloxy group with a substituted or unsubstituted alkyl moiety of  $C_2-C_{20}$ , a carboxyalkyloxy group with a substituted or unsubstituted alkyl moiety of  $C_2-C_8$ , an aminoalkyloxy group with a substituted or unsubstituted alkyl moiety of  $C_1-C_8$ , a hydroxyalkyloxy group with a substituted or unsubstituted alkyl moiety of  $C_1-C_8$ , or an epoxyalkyloxy group with a substituted or unsubstituted alkyl moiety of  $C_2-C_8$ .

2. (Original) The polymer of claim 1, wherein the reactive end-substituted group is a halogen atom, a substituted or unsubstituted amino group, an epoxy group, a carboxyl group, a thiol group, an isocyanate group, or a thioisocyanate group.

3. (Previously Presented) The polymer of claim 1, wherein the particle-type polymer with the reactive end-substituted group is selected from the group

consisting of a Merrifield polymer, a hydrophobic polyaromatic polymer, and an acrylic ester polymer.

4. (Original) The polymer of claim 1, wherein the particle-type polymer has an average particle size of 5-300  $\mu\text{m}$ .
5. (Original) The polymer of claim 1, wherein the covalent bond is an ether bond, a sulfanyl bond, an amino bond, an ester bond, an amide bond, a thioamide bond, or a urea bond.
- 6-8. (Canceled)
9. (Original) A polymer in which the cucurbituril derivative of Formula 1 of claim 1 is copolymerized with a monomer with a substituted or unsubstituted alkenyl group of  $\text{C}_3\text{-C}_{20}$ .
10. (Currently amended) The polymer of claim 9, which is a compound of Formula 5 below:



wherein  $n$  is an integer of 100-10,000,  $m$  is an integer of 10-5,000,  $[[R_1]]$ ,  $R_1'$  and  $[[R_2]]$ ,  $R_2'$  are each independently a substituted or unsubstituted aryl group of  $\text{C}_6\text{-C}_{30}$ , a carboxyl group, a substituted or unsubstituted heterocycle group of  $\text{C}_4\text{-C}_{30}$ , a substituted or unsubstituted alkyl group of  $\text{C}_1\text{-C}_{20}$ , a halogen atom, a cyano group, an amino group, a substituted or unsubstituted aminoalkyl

group of C<sub>1</sub>-C<sub>10</sub>, a hydroxyl group, a substituted or unsubstituted hydroxyalkyl group of C<sub>1</sub>-C<sub>10</sub>, a substituted or unsubstituted alkenyl group of C<sub>3</sub>-C<sub>10</sub>, or hydrogen.

11. (Original) The polymer of claim 10, wherein the cucurbituril derivative of Formula 1 of claim 1 where R<sub>1</sub> is an allyloxy group is copolymerized with the monomer with a substituted or unsubstituted alkenyl group of C<sub>3</sub>-C<sub>20</sub>.

12-23. (Canceled).